

KD-Validated Anti-Malate Dehydrogenase 2 Rabbit

Rabbit monoclonal antibody

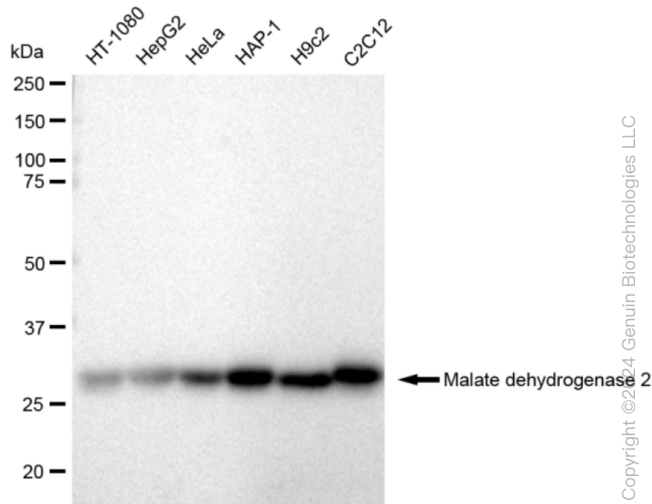
ABG1100

Product Overview

Name	KD-Validated Anti-Malate dehydrogenase 2 Rabbit Monoclonal Antibody
Accession(Primary)	P40926
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MDH2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 36 kDa, observed, 36 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

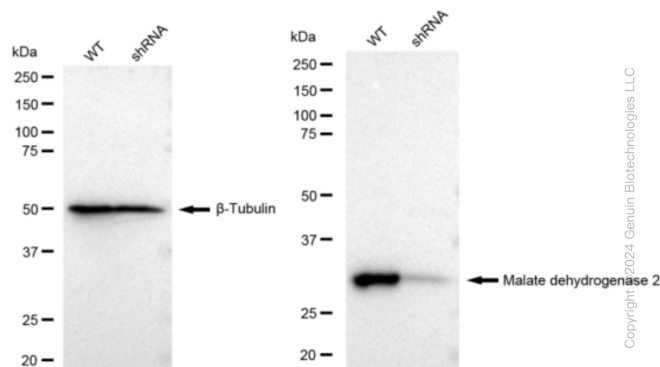
Target information (P40926)

Gene Name	MDH2
About Gene Symbol	MDH2 (Malate Dehydrogenase 2) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



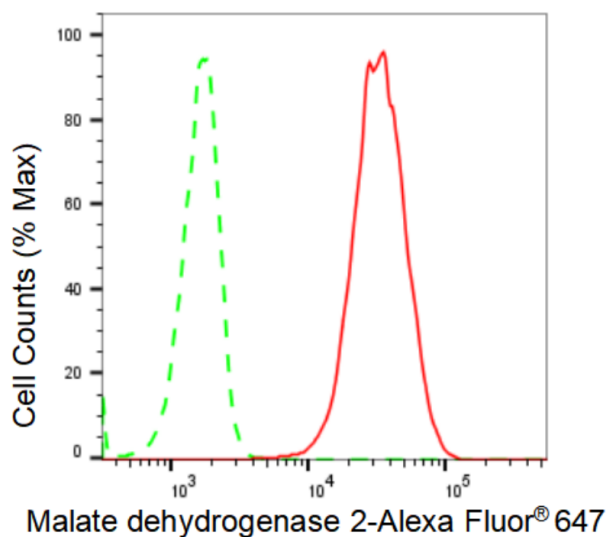
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Western blotting analysis using anti-Malate dehydrogenase 2 antibody (Cat#ABG1100). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Malate dehydrogenase 2 antibody (Cat#ABG1100, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



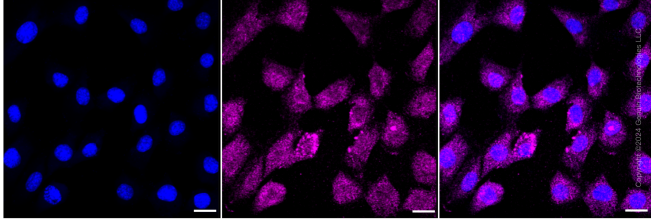
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Western blotting analysis using anti-Malate dehydrogenase 2 antibody (Cat#ABG1100). Malate dehydrogenase 2 expression in wild type (WT) and Malate dehydrogenase 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Malate dehydrogenase 2 antibody (Cat#ABG1100, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Malate dehydrogenase 2 expression in C2C12 cells using Malate dehydrogenase 2 antibody (Cat#ABG1100, 1:2,000). Green, isotype control; red, Malate dehydrogenase 2.



Immunocytochemical staining of C2C12 cells with Malate dehydrogenase 2 antibody (Cat#ABG1100, 1:1,000). Nuclei were stained blue with DAPI; Malate dehydrogenase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.